

Work Order ID 128931

Tuesday, January 27, 2015 7:54:34 AM

128931

Page 1

Item ID: D206-648-013 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Ground Handling Wheel Modification
Start Date: 1/20/15 Start Qty: 4.00 ***4*** Cust Item ID:
Required Date: 1/26/15 Req'd Qty: 4.00 ***4*** Customer:
Reference:

Approvals: Process Plan: MLJ Date: 1501-29 Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D206-648	Rev B								
100	Document Control	0.00							
100									
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile and create labels per PPP D206-648-013 CHG002								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

DAS
27
8-89

MLJ

1503-03

4X

DAS
28
9-89

4X

DAS
27
8-89

MAR 03 2015

DAS
46
0-89

MAR 03 2015

4X

DAS
28
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence
		☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge
		☐ Pressure/Forced Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other

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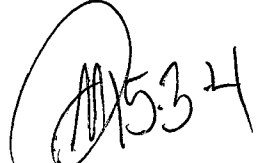
128931

Page 2

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Revision ID: Stop ***NS2***
Item Name: Ground Handling Wheel Modification
Start Date: 1/20/15 Start Qty: 4.00 ***4*** Cust Item ID:
Required Date: 1/26/15 Req'd Qty: 4.00 ***4*** Customer:
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Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130									
Packaging	Memo	0.00				4X	DAS 28 9-89	MAR 04 2015	
Packaging	Identify and pack for shipping as per PPP D206-648-013								
	PK 13								
140	QC21 - Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

MLJ 1540304


DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

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Work Order ID: 128931

128931

Parent Item: D206-648-013

D206-648-013

Parent Item Name: Ground Handling Wheel Modification

Start Date: 1/20/15

Required Date: 1/26/15

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP Rev:A05.09.23New issueKJ/JLM
IPP Rev:B 07-12-05 ECN 1080p DD verified by:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D2652

Manufactured

No

110

Each

274.0000

8

32

DAS
27

MAR 03 2015

D2652

Bushing

**

DAS
46
9-89

Location

Loc Qty

Loc Code

FG

45

31985

45

ST009

26

127633

26

ST012a

203

123711

32

124422

171

B128718

32

D3414-041

Manufactured

No

110

Each

12.0000

2

8

DAS
27

MAR 03 2015

D3414-041

Lug

**

DAS
46
9-89

Location

Loc Qty

Loc Code

ST531

12

114487

4

121595

8

DX

B128223
B126295

5X
3X

AN3C37A

Purchased

No

110

Each

251.0000

4

16

DAS
27

MAR 03 2015

AN3C37A

BOLT

**

DAS
46
9-89

Location

Loc Qty

Loc Code

ST338a

231

M128773

80

M129650

81

M131367

70

16

DAS
28
9-89

DQA: _____ Date: _____



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Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

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Picklist Print

Tuesday, January 27, 2015 7:54:34 AM

Page 2

Work Order ID: 128931

128931

Parent Item: D206-648-013

D206-648-013

Parent Item Name: Ground Handling Wheel Modification

Start Date: 1/20/15

Required Date: 1/26/15

Start Qty: 4.00

Required Qty: 4.00

NAS1149C0363R

Purchased

No

110

Each

946.0000

4

16

NAS1149C0363R

Washer

DAS
27
MAR 03 2015

Location

Loc Qty

Loc Code

FP001

205

114742

205

GA

228

m130673

228

ST271

513

m130673

513

110

Each

1,289.000

4

16

MS21043-3

Purchased

No

MS21043-3

Nut

DAS
27
MAR 03 2015

Location

Loc Qty

Loc Code

FG

80

103691

80

FP001

179

m130673

179

GA

30

m130673

30

ST304

1000

m131340

1000

DAS
28
9-89

DAS
46
9-89

DQA: _____ Date: _____



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FOR INSTALLATION INSTRUCTIONS/REQUIREMENTS AND TECHNICAL INFORMATION SEE APPLICABLE
DART INSTALLATION INSTRUCTIONS.

REFERENCE ONLY

DAS
28
9-89

DAS
28
9-89

QTY -011	QTY -013	PART NUMBER	DESCRIPTION
X		D206-648-011	GROUND HANDLING KIT
	X	D206-648-013	GROUND HANDLING KIT
8	8	D2652	BUSHING
2		D2659	GHW LUG
	2	D3414-041	LUG ASSEMBLY
4		AN3-37A	BOLT
	4	AN3C37A	BOLT
	4	AN960C10	WASHER
4		AN960JD10	WASHER
4		MS21042-3	NUT (OR MS21042L3)
	4	MS21043-3	NUT

RELEASED
09/16/16

B	INSTALLATION AND WEIGHT AND BALANCE INFORMATION TRANSFERRED TO DART INSTALLATION INSTRUCTIONS D206-642. ALL HARDWARE UPDATED TO SS HARDWARE.	AJS	08.09.24
A	NEW ISSUE	JB	97.11.03
REV.	DESCRIPTION	BY	DATE
DESIGN	JB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. B
MFG. APPR.	N/A	D206-648	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		GND HANDLING WHEEL (GHW) INSTL	NONE
DATE	08.09.24	COPYRIGHT © 1997 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	